Title (en)

ACTIVE ENERGY RAY-CURABLE RESIN COMPOSITION, RESIN MOLDED ARTICLE AND METHOD FOR PRODUCING RESIN MOLDED ARTICLE

Title (de)

DURCH AKTIVENERGIESTRAHL HÄRTBARE HARZZUSAMMENSETZUNG, HARZFORMTEIL UND VERFAHREN ZUR HERSTELLUNG DES HARZFORMTEILS

Title (fr)

COMPOSITION DE RÉSINE DURCISSABLE PAR UN RAYONNEMENT D'ÉNERGIE ACTIVE, ARTICLE MOULÉ EN RÉSINE, ET PROCÉDÉ DE PRODUCTION D'ARTICLE MOULÉ EN RÉSINE

Publication

EP 3480229 B1 20201104 (EN)

Application

EP 17820234 A 20170628

Priority

- JP 2016131847 A 20160701
- JP 2017023810 W 20170628

Abstract (en)

[origin: EP3480229A1] An active energy ray-curable resin composition which contains (A) inorganic oxide particles each having an organic functional group on the surface, (B) a siloxane oligomer which has at least one functional group selected from the group consisting of a (meth)acryloyl group, an epoxy group and a vinyl group, while having a weight average molecular weight of 200-3,000, (C) a polyfunctional (meth)acrylate having a specific structure, (D) a urethane (meth)acrylate having two or more (meth)acryloyl groups in each molecule, and (E) an ultraviolet absorbent.

IPC 8 full level

C08F 299/06 (2006.01); **B32B 27/30** (2006.01); **C08F 2/44** (2006.01); **C08F 2/50** (2006.01); **C08F 222/10** (2006.01); **C08F 299/08** (2006.01); **C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C09D 4/02** (2006.01); **C09D 4/06** (2006.01); **C09D 7/40** (2018.01); **C09D 175/16** (2006.01); **C09D 183/06** (2006.01); **C09D 183/07** (2006.01)

CPC (source: EP US)

B29C 35/0805 (2013.01 - US); **B29C 41/003** (2013.01 - US); **B32B 27/30** (2013.01 - US); **C08F 2/44** (2013.01 - EP US); **C08F 2/50** (2013.01 - EP US); **C08F 222/1006** (2013.01 - US); **C08F 222/106** (2020.02 - EP US); **C08F 290/067** (2013.01 - EP US); **C08F 299/06** (2013.01 - US); **C08F 299/08** (2013.01 - US); **C08G 18/246** (2013.01 - EP US); **C08G 18/6725** (2013.01 - EP US); **C08G 18/758** (2013.01 - EP US); **C08G 18/792** (2013.01 - EP US); **C08J 7/0427** (2020.01 - EP US); **C08J 7/043** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C09D 4/06** (2013.01 - EP US); **C09D 175/16** (2013.01 - EP US); **C09D 183/06** (2013.01 - EP US); B29C 2045/0079 (2013.01 - EP); B29K 2033/04 (2013.01 - US); B29K 2869/00 (2013.01 - US); B29L 2011/0016 (2013.01 - US); C08J 2369/00 (2013.01 - EP US); C08J 2433/08 (2013.01 - EP US); C08J 2453/00 (2013.01 - US)

Citation (examination)

US 2013084458 A1 20130404 - YAMADA CHIEKO [JP], et al

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CN114729210A; WO2021099990A1

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DOCDB simple family (application)

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